

## Patent Claims:

1. A preparation for the treatment of pigmentation disorders of the human and animal body, characterized in that it contains a physiologically active amount of the protein DCoH, the DNA and/or RNA coding for said protein, or DCoH antibodies or DCoH antiserum in a pharmaceutically acceptable excipient.

2. The preparation according to claim 1, characterized in that it contains the protein DCoH.

3. The preparation according to claim 1, characterized in that it contains DCoH antibodies.

sub a<sup>2</sup> 4. The preparation according to claims 1, 2 or 3, characterized in that the excipient contains a transfer medium transporting the active ingredient.

5. The preparation according to claim 4, characterized in that the transfer medium is a liposome preparation or a virus.

sub a<sup>3</sup> 6. The preparation according to any one of the preceding claims, characterized in that it is present in the form of a formula for topical application.

7. The preparation according to any one of claims 1 to 4, characterized in that it is present in the form of an injection formula.

8. The preparation according to any one of the preceding claims, characterized in that it is intended for the pigmentation or de-pigmentation of skin or hair.

9. The preparation according to claim 8 intended for the treatment of vitiligo, alopecia areata and/or canities or melanoderma.

Sub Q4 10. The use of the protein DCoH, the DNA and/or RNA for the coding of said protein, or DCoH antibodies or DCoH antiserum, as active ingredient for producing a preparation according to any one of claims 1 to 8 for the treatment of pigmentation disorders of the human or animal body.